

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Appl. No. :

Applicant : Yoichiro YAMANAKA et al

Filed : Concomitantly herewith

TC/A.U. :

Examiner:

Docket No. : 03547C/HG

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Lori Valdes

Lori Valdes

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**INFORMATION DISCLOSURE STATEMENT
FILED CONCOMITANT WITH APPLICATION**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R :

A copy of each of the publications identified in the enclosed Form PTO/SB/08A is enclosed herewith. JP 63-236640 A and JP 05-200961 are identified and discussed in the present specification on pages 1 and 2. All of the other publications identified on the enclosed Form PTO/SB/08A are identified in the enclosed copy of the English language International Search Report in the parent PCT/JP02/02343.

It is requested that said publications be considered and that a copy of the enclosed Form PTO/SB/08A with the Examiner's

initials in the left column be returned to the undersigned attorney.

Respectfully submitted,



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HG/lpv

Encs.: Form PTO/SB/08A and publications identified thereon;
International Search Report

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
				Filing Date	Concomitantly herewith
				First Named Inventor	Y. YAMANAKA et al
				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	03547C/HG

U.S. PATENT DOCUMENTS

Exam. Initials*	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

FOREIGN PATENT DOCUMENTS

Exam. Initials*	Cite No ¹	Office ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
MJU		JP	63-236640	A	TOYO KOHAN CO LTD	10-03-1988		*
MJU		JP	5-200961	A	TOYO KOHAN CO LTD	08-10-1993		*
MJU		EP	1 174 457	A	TORAY INDUSTRIES	01-23-2002		*
MJU		JP	9-123352	A	KANEBO LTD	05-13-1997		*
MJU		JP	7-109363	A	TOYOB CO LTD	04-25-1995		*
MJU		JP	2000-158585	A	NKK CORP	06-13-2000		*
MJU		JP	2000-158586	A	NKK CORP	06-13-2000		*
MJU		JP	2000-158583	A	NKK CORP	06-13-2000		*
MJU		JP	2000-158588	A	NKK CORP	06-13-2000		*
MJU		JP	2000-158854 ⁵²	A	NKK CORP	06-13-2000		*
*English language Abstract only								

Examiner Signature

Date Considered

4/15/04

* EXAMINER: Initial if reference/considered, whether or not citation is in conformance with MPRP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard 67.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

DATE MAILED: September 8, 2003

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/02343

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B32B15/08, C08J5/18, C08L67/02, B65D8/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B32B15/08, C08J5/18, C08L67/02-67/03

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2002
Kokai Jitsuyo Shinan Koho	1971-2002	Jitsuyo Shinan Toroku Koho	1996-2002

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category [*]	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X P/X	WO 01/40357 A (Toray Ind. Inc.), 07 June, 2001 (07.06.01), & JP 2001-220453 A & EP 1174457 A	1-29
X Y	JP 9-123352 A (Kanebo, Ltd.), 13 May, 1997 (13.05.97), (Family: none)	1-3, 5, 7, 11, 15-17, 19, 22-29 8-10, 12-14
X Y	JP 7-109363 A (Toyobo Co., Ltd.), 25 April, 1995 (25.04.95), (Family: none)	1-3, 5, 7, 11, 15-17, 19, 22-29 8-10, 12-14
X Y	JP 2000-158585 A (NKK Corp.), 13 June, 2000 (13.06.00), (Family: none)	8

 Further documents are listed in the continuation of Box C. See patent family annex.

"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier document but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
07 June, 2002 (07.06.02)Date of mailing of the international search report
25 June, 2002 (25.06.02)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/02343

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2000-158586 A (NKK Corp.), 13 June, 2000 (13.06.00), (Family: none)	9
Y	JP 2000-158583 A (NKK Corp.), 13 June, 2000 (13.06.00), (Family: none)	10
Y	JP 2000-158588 A (NKK Corp.), 13 June, 2000 (13.06.00), (Family: none)	12
Y	JP 2000-158584 A (NKK Corp.), 13 June, 2000 (13.06.00), (Family: none)	13